

SLOBODIN, Ya.M.; ROZENBERG, S.G.

Tetrathioadamantanes as additives for lubricants. Khim. i tekhn.  
(MIRA 19:1)  
topl. i masel 10 no.12:41-44 D '65.

1. Leningradskiy neftemaslovyy zavod im. Shaumyana.

SLOBODIN, Ya.M.; MAYOROVA, V.Ye.; SMIRNOVA, A.M.

Dehydration of dimethylalkylcarbinols. Zhur. org. khim. 1 no.9:  
1529-1531 S '65. (MIRA 18:12)

1. Submitted April 28, 1964.

SLOBODIN, Ya.M.; KHITROW, A.P.

Trimers of allene. Zinur. org. khim. l no.9:1531-1536 S '65.  
(MIRA 18:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftekhimicheskikh protsessov. Submitted March 5, 1964.

L 08535-67 EWT(m) DJ  
ACC NR: AP6035578 (A, N)

SOURCE CODE: UR/0065/66/000/011/0047/0049

33  
20

AUTHOR: Slobodin, Ya. M.; Rozenberg, S. G.

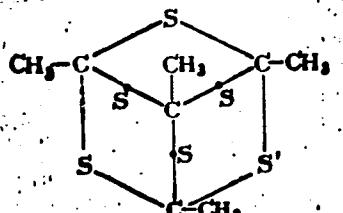
ORG: Experimental Creamery im. Shaumyan (Opytnyy maslozavod); Severo-Zapadnyy Cor-  
respondence Polytechnic Institute (Severno-zapadnyy zaochnyy politekhnicheskiy  
institut)

TITLE: Feasibility of using tetramethylhexathioadamantane as an additive to  
lubricating oils //

SOURCE: Khimiya i tekhnologiya topliv i masel, no. 11, 47-49

TOPIC TAGS: antiwear additive, antiseizure additive, thioadamantane, mineral oil,  
synthetic ester oil

ABSTRACT: 1,3,5,7-tetramethyl-2,4,6,8,9,10-hexathioadamantane (I)



UDC: 665.58:665.521.5

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L 08535-67

ACC NR: AP6035578

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has been synthesized from thioacetic acid and zinc chloride by a procedure described in the source. The antiwear and EP (antiseize) properties of I were tested on a four-ball apparatus in synthetic ester oil [unspecified] or mineral (AU spindle) oil, and compared with the properties of tetramethyltetraethiadamantane (II) and the LZ-23k additive [unspecified] tested in the same oils. The tests were conducted at room temperature and at 150C with 2 and 5% solutions of the additives. It was shown that: 1) in contrast to the other additives, the EP properties of I do not drop with temperature (critical load 100-120 kg both at 20 and 150C); 2) the anti-wear properties of I exceed those of II; 3) at 20C the antiwear properties of I are poorer, and at 150C better than those of the LZ-23k additive. Tests in synthetic oil as per GOST 981-55 specifications showed that thiadamantane derivatives have higher thermal-oxidative stability than the LZ-23k additive. I exhibits higher thermal-oxidative stability than II. II is more corrosive to copper than I and its sulfur content drops after oxidation. The usual mechanism of action of additives (decomposition and formation of metal sulfides) could not be confirmed for thiadamantanes. Orig. art. has: 3 figures and 1 table.

SUB CODE: 11/ SUBM DATE: none/ ORIG REF: 001/ OTH REF: 002/  
ATD PRESS: 5103

Card 2/2 *egte*

BROVKIN, V.G.; PALYSAYEV, M.P.; SLOBODIN, Yu.A.; CHETVERTKOV, M.S.

Materials and heat balances in the electric smelting of copper-nickel sulfide ores in 30,000 kwa electric furnaces. Tsvet. met. 38 no. 12:34-40 D '65 (MIRA 1967)

USSR / Human and Animal Morphology (Normal and  
Pathological). Nervous System. Peripheral  
Nervous System. S

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 16943

Author : Slobodin, Z. G.

Inst : Karaganda Medical Institute

Title : On the Innervation of Internal Organs

Orig Pub : Tr. Karagandinsk. med. in-ta, 1957, 1, No 2,  
105-106

Abstract : No abstract given

Card 1/1

48

USSR / Human and Animal Morphology (Normal and  
Pathological). Nervous System. Peripheral  
Nervous System. S

**APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651330004-8"**

Abs Jour : Ref Zhur - Biologiya, No 4, 1959, No. 16929

Author : Slobodin, Z. G.; Tsytsorina, N. A.

Inst : Karaganda Medical Institute

Title : On Innervation of the Wrist and Foci

Orig Pub : Tr. Karagandinsk. med. in-ta, 1957, 1, No 2,  
133-134

Abstract : No abstract given

Card 1/1

38

SOV/19-58-6-610/685

Authors : Vaynsberg, I. A., Zakharov, S. R., Blagovestov, B. K.

SLOBODINA, Z.P.; SEREBRYAKOV, B.S.

Improved technology of the production of basic bismuth nitrate.  
Prom. khim. reak. i osobo chist. veshch. no.1:14-15 '63.  
(MIRA 17:2)

SCV/84-58-3-9/52

AUTHOR: Kuznetsov, M., Secretary of a Party Organization Unit, and  
Slobodinskiy, F., Secretary of a Shop Party Organization (Kiyev)

TITLE: The Communists Lead (Vperedi idut kommunisty)

PERIODICAL: Grazhdanskaya aviatsiya, 1958, Nr 3, pp 6-7 (USSR)

ABSTRACT: The article reports on the achievements of an operational unit  
of agricultural aviation, crediting them to the initiative and  
leadership of Party organizations and individual communists.

1. Civil aviation 2. Agriculture

Card 1/1

VAKHNOVSKIY, S.S.; ZASTYRETS, M.V.; KULYAVTSEV, V.I.; REZNIK, A.F.;  
SLOBODINSKIY, Kh.Ya.

~~Assembly conveyer with driers. Leg.prom.17 no.9:41-42 S '57.~~  
(MIRA 10:12)  
(Shoe industry) (Conveying machinery)

... Vakhnovskiy, Kh. Ya.  
VAKHNOVSKIY, S.S.; ZASTYRETS, M.V.; KULYAVTSEV, V.I.; RENZNIK, A.F.;  
SLOBODINSKIY, Kh. Ya.

New design of shoe drying stands. Leg. prom. 18 no.2:31-32 F '58.  
(Shoe manufacture) (Drying apparatus) (MIRA 11:2)

SLOBODJAMINOV, V.

"Preparation and organization of artillery fire."  
Vojni Glasnik, Beograd, Vol 7, No 10, Oct 1953, p. 36

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

SLOBODKIN, A.M. (Moskva)

Peculiarities of the concept of equilibrium stability in the sense  
of Liapunov for systems with an infinite number of degrees of free-  
dom. Izv. AN SSSR. Mekh. no.5:38-46 S-0 '65. (MIRA 18:16)

SLOBODKIN, A.M. (Moskva)

Stability of an elastic beam with an empennage in a super-  
sonic flow. Inzh.sbor. 27:77-80 '60.

(MIRA 13:6)

(Aerodynamics, Supersonic)

S/040/62/026/002/017/025  
D299/D301

AUTHOR: Slobodkin, A.M. (Moscow)  
TITLE: On the stability of conservative systems with infinitely many degrees of freedom  
PERIODICAL: Prikladnaya matematika i mekhanika, v. 26, no. 2,  
1962, 356 - 358

TEXT: Several simple systems with infinitely many degrees of freedom are considered for the purpose of ascertaining whether the direct method of stability analysis can be applied, with the increment of the total energy as Lyapunov's functional. The concept of positive-definiteness of the function-increment is used. On passing from functions to functionals, the following questions arise: 1) For which metrics of the corresponding functional space is the property of positive definiteness of the increment retained? 2) To what extent does the energy integral furnish knowledge about stability, as compared to that obtained by the direct solution of Cauchy's problem? The second question is answered after considering the stability of a homogeneous free string, stretched between 2 fixed points. Card 1/2

On the stability of conservative ...

S/040/62/026/002/017/025  
D299/D301

This example shows that the energy integral yields only a partial knowledge of the character of system-stability. The first question leads to the following considerations: If the potential energy of the system is a functional of a function of a single variable, then Osgood's theorem ensures positive definiteness with metrics of type  $\rho_3$ , and hence stability for metrics  $\rho_1$  and  $\rho_2$ . If, however, the potential energy depends on functions of more than one variable and on their first derivatives, positive definiteness with a metric of type  $\rho_3$  can no longer be expected. This fact is illustrated by the example of a membrane under a constant transverse load. Finally, the direct method is used for obtaining the stability conditions of a body, within the framework of linear elasticity theory. There are 13 references: 8 Soviet-bloc and 5 non-Soviet-bloc, (Including 1 translation).

SUBMITTED: September 18, 1961

Card 2/2

ACCESSION NR: AP4042016

S/0020/64/157/001/0063/0065

AUTHOR: Slobodkin, A. M.

TITLE: On the stability of the equilibrium of system with an infinite number of degrees of freedom in the sense of Lyapunov

SOURCE: AN SSSR. Doklady\*, v. 157, no. 1, 1964, 63-65

TOPIC TAGS: stability criterion, Lyapunov stability, equilibrium condition, linear system

ABSTRACT: To demonstrate some of the specific features that are inherent in the concept of stability of equilibrium of systems having an infinite number of degrees of freedom, the character of the stability of a trivial equilibrium position was investigated for three linear elastic systems: a string fastened on the ends, a rectangular membrane fastened along its contour, and an elastic isotropic body in the form of a rectangular parallelepiped rigidly secured over the

Card 1/3

ACCESSION NR: AP4042016

this theorem, an energy criterion of stability equilibrium is derived for a nonlinear one-dimensional conservative system whose potential energy is a function of the simplest problem of variational calculus, namely: a) the potential energy of the system is positive regular in some expanded strong vicinity of the equilibrium; b) the potential energy of the system is more strongly positive regular in some strong vicinity of equilibrium.

ASSOCIATION: Institut mekhaniki Akademii nauk SSSR (Institute of Mechanics, Academy of Sciences SSSR)

SUBMITTED: 29Jan64

ENCL: 00

SUB CODE: ME

NR REF SOV: 008

OTHER: 001

Card 3/3

SŁOBODKIN, D.

"Rysunek techniczny." (Technical drawing), by D. Słobodkin. Reported in New Books (Nowe Ksiazki), No. 15, August 1, 1955

SLOBODKIN, D.S., inzh.

Improving the organization of engineering and geological re-  
search for the construction industry. Stroi.prom. 27 no.6:  
15-16 Je '49. (MIRA 13:2)  
(Building research)

SLOBODKIN, Dmitriy Savvich; TRUPAK, Ye.V., redaktor; KOROVENKOVA, Z.A.  
tekhn. redaktor.

[Characteristics of running ground and choice of method for sinking  
shafts] Svoistva plyvunov i vybor sposoba prokhodki stvolov  
shakht. [Moskva] Ugletekhnizdat, 1955. 122 p. (MLRA 8:8)  
(Shaft sinking) (Soil mechanics)

SLOBODKIN, D.S.

Disadvantages of frozen soil thawing by means of burning  
thermit. Ger. zhur. no.10:58 O '55. (MLRA 9:2)  
(Frozen ground) (Thermit)

SLOBODKIN, D.S.

Concerning Kh.I Abramson's article "Some remarks on N.G.Trupak's book "Special mining methods." (Ugol' 1953, no.7). Ugol' 30 no.7:44 Jl'55. (MLRA 8:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut organizatsii montazha shakhtostroitel'stva.  
(Mine timbering) (Trupak, N.G.)

~~SLOBODKIN, D. S.~~

~~SHKABARA, M.N., doktor geol.-miner.nauk; YEPIFANTSEV, K.F., inzhener;~~  
~~SLOBODKIN, D.S., inzhener; KUBYL'SKIY, L.L., inzhener.~~

~~Rock plugging to reduce gas emanations during shaft sinking.~~  
~~Shakht.stroi. no.2:21-22 F '57. (MIRA 10:7)~~  
~~(Shaft sinking) (Mine gases)~~

SLOBODKIN, D.S., starshiy nauchnyy sotrudnik

Stabilization of quick ground by elective fusion along the contour  
of workings. Ugol' Ukr. 3 no.11:14-16 N '59. (MIRA 13:3)

1.Ukrainskiy nauchno-issledovatel'skiy institut organizatsii i me-  
khanizatsii shakhtnogo stroitel'stva.  
(Mining engineering) (Soil stabilization)

CHEL'TSOV, Mikhail Ivanovich; SLOBODKIN, Dmitriy Savvich; FADEYEV, Evgeniy Ivanovich; SKIRGELLO, Oleg Boleslavovich; POLYAK, Aron L'vovich; ZHUK, Boris Vasil'yevich; POLYAKOV, Nikolay Mikhaylovich; NIKOLAYENKO, Aleksey Timofeyevich; FAYNBERG, Grigoriy Solomonovich; YUDITSKIY, Grigorii Izrailevich; DOROSHENKO, Grigorii Nesterovich; TRUPAK, N.G., prof., doktor tekhn. nauk, obshchiy red.; SMIRNOV, L.V., red.izd-va; KONDRAT'YEVA, M.A., tekhn.red.

[Handbook on special methods of shaft sinking] Spravochnik po prokhodke stvolov shakht spetsial'nyimi sposobami. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po gornomu delu, 1960. 383 p.  
(MIRA 13:4)

(Shaft sinking)

ZELINSKIY, Vyacheslav Mikhaylovich, kand. tekhn. nauk; SLOBODKIN, Dmitriy Savvich, kand. tekhn. nauk; TARAN, Arseniy Grigor'yevich, inzh.; TVERDOKHLEBOV, Ivan Panteleyevich, inzh.; ZHUK, Boris Vasil'yevich, inzh.; BEBENIN, M.Ye., inzh., retsenzent; CHUMACHENKO, T.I., red.izd-va; BEREZOVYY, V.N., tekhn. red.

[Control of mine waters] Bor'ba s shakhtnymi vodami. [By] V.M.Zelinskii i dr. Kiev, Gostekhizdat USSR, 1963. 360 p.  
(MIRA 17:3)

SLOBODKIN, V.L.

34034 SLOBODKIN, G.L. I KHRAPUNOV, G.S.  
Regulirovanie Skorosti Pryedidnykh  
Mashin. Tekstil. Prom-St; 1949, No. 10, C. 36-37

SO: Letopis' Zhurnal'nykh Statey, Vol. 42, Moskva, 1949

SLOBODKIN, G. L.

Elektrifikatsiia transporta. [Electrification of transportation]. (His Elektrifikatsiia  
Moskva, Tekhnika upravleniia, 1927, p. 68-70).

DLC: TK85.S55

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress,  
Reference Department, Washington, 1952, Unclassified.

SLOBODKIN, G. L.

Mestnaia elektrifikatsiia. [Local electrification]. (His Elektrifikatsiia SSSR.  
Moskva, Tekhnika upravleniia, 1927, p. 70-75).

DLC: TK85.S55

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress,  
Reference Department, Washington, 1952, Unclassified.

Electric Cables.

New method of repairing welder cables, Rab, energ, 2, no. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, May 1952, UNCLASSIFIED.

SLOBODKIN, G. L.

G. L. Slobodkin and A. V. Filippov, Voprosy energosnabzheniya krupnogo stroitel'stva [Power Supply for Large-Scale Construction], Gosenergoizdat, 5 sheets, 4,000 copies

States the operating experience with the power supply and electric equipment of the construction machinery used at the Tsimlyansk Hydroelectric Station. Describes the improvements introduced in this respect by the rationalizers of the construction job.

Brochure intended for engineers, technicians and workmen on large-scale construction jobs who work in the field of power supply.

SO: U-6472, 23 Nov 1954

SLOBODKIN, I.G.

Unidentified retrograde invagination of the jejunum into the perforation of a peptic ulcer located at the side of a gastrointestinal anastomosis. Khirurgiia, no.4:83 Ap '55. (MLRA 8:9)

1. Bratskaya rayonnaya bol'nitsa Mikolayevskoy oblasti.  
(INTESTINES--INTUSSUSCEPTION)

16

SOURCE CODE: UR/0413/66/000/015/0004/0094

Avtor: Chernikov, N. Ye.Co-authors: Chernikov, N. Ye.; Kononikov, V. S.; Ayzman, Yu. A.; Sokolinskiy, Ye. A.; Malinskiy, S. A.; Malinskiy, V. V.; Stepanov, A. I.; Fedorov, V. N.; Ivanov, A. M.; Zumskiy, V. M.; Bystrov, V. V.; Yevzevov, D. A.; Germanov, Yu. G.; Makaimov, N. P.; Gulyakov, N. A.; Timchenko, V. V.

S. S.: none

TITLE: Seismic station. Class 42, No. 184466 [announced by "Neftepribor" Factory of the Instrument Manufacture Administration of Mosgorsovmarkhoz (Zavod "Neftepribor" Tsvetnoyiya Priborostroyeniya Mosgorsovmarkhoza)]

SEARCH: Izobret prom obraz tov zn, no. 15, 1966, 94

TOPIC TAGS: seismologic station, seismologic instrument

ABSTRACT: This Author Certificate presents a seismic station containing a seismic signal detector, a recording amplifier unit, an oscillosograph, a magnetic drum recorder, a channel reproduction unit, a control unit, a reproduction amplifier, a multichannel borehole probe, a drum with photographic paper, a retransmitting unit, and a power supply. To increase the reliability when transferring from operation with the method of reflected waves to the method of refracted waves, a filter unit is connected between the first and second stages of the recording amplifier unit. A

UDC: 550.340.19

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L 10031-57

ACC NR: AP6029933

modulator-demodulator unit and a reel type magnetic recorder are connected in series to the output of the recording amplifier unit. For operation with the method of refracted waves, the filter unit has frequency cutoffs of 7--30 hz, and for operation at sea--frequency cutoffs of 20--50 hz. To increase the reliability of the recorded data with operation by the method of regulated directional reception, a switching unit for the channels to be summed, a static correction unit, and a summing unit are connected in series between the magnetic drum recorder and the reproduction amplifier. To increase the reliability when transferring from operation with the method of reflected waves to seismic logging, a frequency selection unit is connected between the multichannel borehole probe and the magnetic drum recorder. To improve the quality of the recorded material, an electron beam unit for introducing static and dynamic corrections is connected between the reproduction amplifier and the drum with photographic paper.

SUB CODE: 08/ SUBM DATE: 05May65

Card 2/2

SLOBODKIN, L.

Conference on new physical methods of food treatment. Inzh.-fiz. zhur.  
7 no.8:137-138 Ag '64. (MIRA 17:10)

SLOBODKIN, L., inzhener; TAMARIN, A., inzhener.

Drying grain in suspended state. Muk.elev.prom. 23 no.9:7-9 S '57.  
(MIRA 10:11)

1. Institut energetiki AN SSSR.  
(Grain--Drying)

11(7)

SOV/170-59-4-14/20

AUTHOR: Slobodkin, L.S.

TITLE: On the Problem of Calculating the Pulverization of Crumbled Peat During Its Drying (K voprosu uchëta izmel'cheniya frezernogo torfa pri yego sushke)

PERIODICAL: Inzhenerno-fizicheskiy zhurnal, 1959, Nr 4, pp 98-102 (USSR)

ABSTRACT: In order to calculate the degree of peat pulverization during its drying the author experimented with peat drying in a tube-dryer. As results of these experiments he obtained the functional relationships between the Nusselt criterion and the Reynolds criterion  $Nu = f(Re)$  and between the number  $K$ , being the ratio of the average diameters of lumps of the raw and dried peat, and the hygrometric criterion of Kirpichev  $Ki'$ :

$$K = \exp [0.159 (Ki')^{-0.222}]$$

The latter is defined as follows:

$$Ki' = \frac{q' d_{av}}{a' \bar{u}_0}$$

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where  $q'$  is drying intensity in  $\text{kg}/\text{m}^2\text{hr}$ ;  $d_{av}$  is character-

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SOV/170-59-4-14/20

On the Problem of Calculating the Pulverization of Crumbled Peat During Its Drying

istical linear dimension in m;  $a'$  is the coefficient of potential conductivity of substance transfer in  $\text{m}^2/\text{hr}$ ;  $\gamma_0$  is the density of absolute dry material, and  $\bar{u}_0$  is the initial moisture content of material in  $\text{kg}/\text{kg}$ . These relationships are presented also in graphical form. The comparison of published data of I.P. Garpinich and L.M. Nikitina [Ref 11] with the results obtained by the author from the above relations shows a satisfactory agreement.

There are 3 graphs and 11 Soviet references.

ASSOCIATION: Institut energetiki AN BSSR (Institute of Power Engineering of the AS Belorussian SSR), Minsk

Card 2/2

05277

SOV/170-59-7-8/20

On Structural Mechanical Properties of Crumble Peat in the Drying Process

in slow drying (Figure 1) and in a large laboratory circulation dryer (Figures 2,3) at various temperatures (50 and 100°C), and various moisture content of the crumbled peat. The studies of the forms of water binding in peat, in particular the paper of V.M. Naumovich [Ref 19], showed that peat contains almost wholly adsorption-bound water at a moisture content of up to 0.22 kg/kg. The study of A.V. Lykov [Ref 26] showed that the strained state of large peat particles (above 0.5 mm), caused by the intense drying, leads to their bursting. However, experimental data of A.V. Lykov and G.A. Maksimov [Ref 25] on high-frequency drying of peat showed that the fine fraction was considerably more pulverized than the coarse fraction. The dependence of pulverization degree of crumbled peat on the intensity of mass transfer was shown on

Card 2/3

SLOBOIKIN, L.S.

Methods for the determination of the fractional composition  
of milled peat. Trudy Inst.energ. AN BSSR no.10:56-63  
'59. (MIRA 13:6)  
(Peat)

SLOBODKIN, L.S., Cand Tech Sci — (aiss) "Investigation of the  
grinding of milling peat during drying," Minsk, 1960, 15 pp (Belo-  
russian Polytechnical Institute im I. V. Stalin) (KL, 34-60, 123)

SLOBODKIN, L.S.

Approximate determination of the granulometric composition of milled peat after drying. Inzh.-fiz.zhur. no.5:127-130 My '60. (MIRA 13:8)

1. Institut energetiki AN BSSR, Minsk.  
(Peat)

SLOBODKIN, L.S.

Heat and mass transfer between a gas and single grains. Inzh. -fiz.  
zhur. 5 no.10:26-31 0 '62. (MIRA 15:12)

1. Energeticheskiy institut AN BSSR, Minsk.  
(Heat—Transmission) (Mass transfer) (Gas flow)

SLOBODKIN, L.S.

Approximate method for calculating the heating kinetics  
for moist material in a fluidized bed under fluctuating  
temperature conditions. Inzh.-fiz. zhur. 7 no. 3:21-26 Mr '64.  
(MIRA 17:5)

1. Institut teplo-i massoobmena AN BSSR, Minsk.

LYUBOSHITS, I. L.; SLOBODKIN, L. S.; PIKUS, I. F.

"Application of oscillating conditions in drying and heating of thermosensitive materials in a fluidized bed."

report submitted for 2nd All-Union Conf on Heat & Mass Transfer, Minsk, 4-12 May 1964.

Inst of Heat & Mass Transfer, AS BSSR.

SERGEYEV, V.Ye.; TROPMAN, A.G.; GORBUNOV, N.I.; SLOBODKIN, L.V.

Industrial testing of the R30A vibrating conveyer. TSvet. met.  
34 no.12:38-43 D '61. (MIRA 14:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut tsvetnykh  
metallov (for Sergeyev, Tropman). 2. Ust'-Kamenogorskiy  
svintsovo-tsinkovyy kombinat imeni V.I. Lening (for Gorbunov,  
Slobodkin).

(Conveying machinery--Testing)

SLOBODKIN, M. I.

IA 77791

USSR/Mining  
Tools, Cutting  
Coal

Mar 1948

"An Analytical Method of Determining Optimum Conditions for Cutting With Cutting Machines," Prof M. I. Slobodkin, Dr Mech Sci, 4 pp

"Mehk Trud i Tyazh Rabot" No 3

Author deduces and solves necessary equations for determining optimum cutting and feeding speeds of coal-cutting machines which vary, according to seam being worked.

77791

SLOBODKIN M.

Slobodkin M., "Activating Mechanisms of Automatic Regulators," *Kholodil'naia tekhnika* [Refrigeration Engineering], 1953, No 1, Pages 20-24.

SLOBODKIN, M.I., professor, doktor tekhnicheskikh nauk

Theoretical principles in the planning of unloading mechanisms for dumping  
buckets and skips. Mekh.trud.rab. 7 no.6:29034 Je '53. (MLRA 6:6)  
(Dumping appliances)

~~SLOBODKIN, M.I.~~, professor, doktor tekhnicheskikh nauk; ~~ISKRITSKIY, D.Ye.~~,  
~~dotsent, kandidat tekhnicheskikh nauk; SHITKO, I.K.~~, otvetstvennyy  
redaktor; ~~ALADOVA, Ye.I.~~, tekhnicheskiy redaktor.

[Kinematics, dynamics and strength calculations for mine-hoist cages]  
Kinematika, dinamika i raschet na prochnost' kletei shakhtnogo podzemya.  
Moskva, Ugletekhnidat, 1954. 402 p.  
(Mine hoisting) (MLRA 7:11)

*Slobodkin, M. I.*

ANDREYEV, S. Ye.; BOKIY, B. V.; GORODETSKIY, P. I.; GREYVER, N. S.; SHCHUKIN, A. A.  
GERONT'YEV, V. I.; SKOCHINSKIY, A. A.; TERPIGOREV, A. M.; SHEVYAKOV, L. D.;  
SPIVAKOVSKIY, A. A.; VERKHOVSKIY, I. M.; VORONKOV, I. M.; YELANCHIK, G. M.;  
KASHIN, N. V.; SLOBODKIN, M. I.; GUZENKOV, P. G.; ZEMSKOV, V. D.; NOVIKOV, F. S.  
OSETSKIY, V. M.; SOSUNOV, G. I.; YASYUKEVICH, S. M.; KHAN, G. A.; POPOV, V. M.

In memory of Professor Levenson. Gor. zhur. no. 9:60 S '55.  
(MIRA 8:8)

(Levenson, Lev Borisovich, 1878-1955)

15-57-7-10239  
Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 7,  
pp 232-233 (USSR)

AUTHOR:

Slobodkin, M. I.

TITLE:

Design Factors in Horizontal Spiral-Type Culm Loaders  
(Teoreticheskiye obosnovaniya proyektirovaniya  
gorizontal'nogo vintovogo shtybopogruzchika)

PERIODICAL:

Nauch. tr. po vopr. gorn. dela, Mosk. gorn. in-t,  
1956, ab. Nr 16, pp 269-281

ABSTRACT:

The spiral-type culm loaders on many coal combines and cutting machines operate unsatisfactorily and do not clean the cuts satisfactorily. Moreover, power is wasted in milling the culm. The process of transportation of coal fines by horizontal spiral-type culm loaders is analyzed and a theoretical basis is given for their design. The process of shifting of the material within the housing and the effect of the

Card 1/2

APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001651330004-8"

Design Factors in Horizontal Spiral-Type Culm Loaders (Cont.)

rate of rotation and size of spiral on the amount of loss of energy is considered. A number of tolerances, which do not affect the accuracy of calculation substantially, are given for the purpose of obtaining simple formulas. These formulas make it possible to determine the necessary rate of revolution of the spiral, the turning moment, the torque, and the efficiency of a culm loader for a given output of a given model size. The values depend on: 1) the structural variables of the loader; and 2) the coefficient of friction of the culm which varies with the material of which the spiral and housing are constructed. The calculated relationships may serve as a starting point for derivation of appropriate formulas and for designing of other spiral-type culm loaders.

Card 2/2

L. G. Medvedev

SLOBODKIN, M.I., professor, doktor

Practical method of interpolating functions of two variables.  
Nauch.trudy MGU no.17:27-35 '56. (MIRA 10:11)  
(Coal mining machinery) (Interpolation)

SOV/124-58-2-2325

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 2, p 110 (USSR)

AUTHOR: Slobodkin, M. I.

TITLE: ~~Generalized Method for the Derivation of Formulas for the Contact~~  
stress Calculation of Helical and Bevel Gears (Obobshchennyi metod  
vyvoda formul dlya rascheta kosozubchatykh i konicheskikh koles na  
kontaktnyye napryazheniya)

PERIODICAL: Nauchn. tr. Mosk. gorn. in-t, 1956, Nr 17, pp 53-63

ABSTRACT: Presentation of an elementary derivation of formulas for the stress analysis of helical and bevel gear trains relative to contact shear stresses. The method employs the concept of an equivalent gear, which renders possible an extension of the well-known design formulas for spur gears to the case of cylindrical gears with helical teeth and of conical gears. On page 53 the paper contains a wrong dimension for the torque moment, a factor  $n$  is omitted under the root in the denominator in formula (12), and a square root appears in formula (27) instead of a cube root.

Yu. P. Grigor'yeva

Card 1/1

SLOBODKIN, M.I., professor, doktor tekhnicheskikh nauk.

B.N.Liubimov's article "The theory of a mine parachute operation"  
(Ugol' no.7, 1954.) Ugol' 31 no.3:39 Mr '56. (MIRA 9:7)  
(Mine hoisting)

SLOBODKIN, M.I.

Response to P.S. Kuchakov's article "Critique of the fundamental premises of professor M.I. Slobodkin's theory on coal cutting.   
Ugol' 34 no.6:57-60 Je. '59. (MIRA 12:8)   
(Mining machinery)

SLOBODKIN, M.I., doktor tekhn.nauk

Designing the reinforcement of mine shafts. Shakht. stroi. 6  
no.3:14-18 Mr '62. (MIRA 15:3)  
(Shaft sinking)

MINING MACHINERY, TITAN, TITAN, TITAN

Operating conditions for mining machinery. Izdatelstvo nauchno-tekhnicheskoy literatury, Moscow, 1964. (MTRA 18:1)

L. Tula'skiy politekhnicheskiy institut. Rekomenovana kafedrой razrabota konstruiraniya gornykh mashin.

PA 37/49T24

SLOBODKIN, M. S.

USSR/Engineering  
Valves - Design

Jul/Aug 48

"Wrought Iron Valves Under a Nominal Pressure of  
Twenty-Five Kilograms per Square Centimeter," M. S.  
Slobodkin, Engr, 1 P

"Kotloturbostroy" No 4

Describes subject valves, made by the Leningradskiy  
Armaturnyy Zavod (Leningrad Armature Plant) imeni  
Lense. Includes three sketches.

37/49T24

3.1. B. (cont'd.)

BAZIN, S.I., kandidat tekhnicheskikh nauk; BAZIN, N.I., professor, doktor tekhnicheskikh nauk; BEYZEL'MAN, N.I., inzhener; BELYAYEV, V.I., kandidat tekhnicheskikh nauk; BINGE, I.A., kandidat tekhnicheskikh nauk; BOGUSLAVSKIY, P.Ye., kandidat tekhnicheskikh nauk; BOBOVICH, I.S., kandidat tekhnicheskikh nauk; VOL'KIR, A.S., professor, doktor tekhnicheskikh nauk; GONIKBERG, Yu.M., inzhener; GORODETSKIY, I.Ye., professor, doktor tekhnicheskikh nauk; GORDON, V.O., professor; DIMENTBERG, F.M., kandidat tekhnicheskikh nauk; DOSCHATOV, V.V., inzhener; IVANOV, A.G., kandidat tekhnicheskikh nauk; KIMASOVSKIY, R.S., professor; KODNER, D.S., kandidat tekhnicheskikh nauk; KULOMIYTSEV, A.A., kandidat tekhnicheskikh nauk; KRUTIKOV, I.P., kandidat tekhnicheskikh nauk; KUSHUL', M.Ye., kandidat tekhnicheskikh nauk; LEVENSON, Ye.M., inzhener; MAZYRIN, I.V., inzhener; MALTIN, N.N., kandidat tekhnicheskikh nauk; MARTYNOV, N.N., kandidat tekhnicheskikh nauk; NIEZERG, N.Ya., kandidat tekhnicheskikh nauk; NIKOLAEV, G.A., professor, doktor tekhnicheskikh nauk; PETRUSEVICH, A.I., doktor tekhnicheskikh nauk; POZDNYAKOV, S.N., dotsent; PONAMOREV, S.D., professor, doktor tekhnicheskikh nauk; PRIGOROVSKIY, N.I., professor, doktor tekhnicheskikh nauk; PRONIN, B.A., kandidat tekhnicheskikh nauk; RESHETOV, D.N., professor, doktor tekhnicheskikh nauk; SATEL', E.A., professor, doktor tekhnicheskikh nauk; SERBENSEN, S.V.; SLODOVSKIY, N.S., inzhener; SPITSYH, N.A., professor, doktor tekhnicheskikh nauk; STEBIN, G.B., kandidat tekhnicheskikh nauk; TAYTS, B.A., kandidat tekhnicheskikh nauk; UMANSKIY, A.A., professor, doktor tekhnicheskikh nauk; FEODOS'YEV, V.I., professor, doktor tekhnicheskikh nauk.

(Continued on next card)

BABKIN, S.I.--- (continued) Card 2.

KHAYT, D.M., kandidat tekhnicheskikh nauk; SYBILOV, V.Ya., kandidat tekhnicheskikh nauk; GELAYBER, M.U., inzhener, nauchnyy redaktor; SHEDROV, V.S., kandidat tekhnicheskikh nauk, nauchnyy redaktor; TSVETKOV, A.P., doktor, nauchnyy redaktor; SLENIKOV, G.I., inzhener, nauchnyy redaktor; MARKUS, M.Ye., inzhener, nauchnyy redaktor; KARGANOV, V.G., inzhener, nauchnyy redaktor; SHERKIN, N.S., doktor tekhnicheskikh nauk, professor, redaktor; SOKOLOV, T.P., tekhnicheskiy redaktor

[Manual of machinery manufacture] Spravochnik po mashinostroitelstvu v trekh tomakh. Moscow, Gos. mashinostroitelnoe izdatelstvo mashinostroit. lit-ry. Vol.3, 1-51 1989 g. (ISBN 10:3)

1. Deystvitelnoe izdatelstvo Akademii nauk SSSR (for Serensen)  
(May 1989)

ARONOVICH, V.V., kandidat tekhnicheskikh nauk; SLOBODKIN, M.S.,  
inzhener; MOISEYEV, A.D., redaktor.

[Regulator and shut-off fittings] Armatura raguliruiushchaya  
i zapornaia. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroitel'  
noi i sudostroitel'noi lit-ry, 1953. 283 p. (MLRA 7:7)  
(Valves) (Boilers)

ACHERKAN, Naum Samuilovich, 1872-, doktor tekhnicheskikh nauk, professor, redaktor; BELYAYEV, V.N., dotsent, kandidat tekhnicheskikh nauk; BIDERMAN, V.L., kandidat tekhnicheskikh nauk; BOROVICH, L.S., kandidat tekhnicheskikh nauk; GASHINSKIY, A.G., inzhener; GORODETSKIY, N.Ye., professor, doktor tekhnicheskikh nauk; IVANOV, B.A., professor, doktor tekhnicheskikh nauk; KOLMIYTSEV, A.A., dotsent, kandidat tekhnicheskikh nauk; KRAGEL'SKIY, I.V., professor, doktor tekhnicheskikh nauk; PETRUSEVICH, A.I., doktor tekhnicheskikh nauk; POZDNYAKOV, S.N., dotsent; PONOMAREV, S.D., professor, doktor tekhnicheskikh nauk; PORTUGALOVA, A.A., kandidat tekhnicheskikh nauk; PRONIN, B.A., kandidat tekhnicheskikh nauk; RISHETOV, D.N., professor, doktor tekhnicheskikh nauk; RISHETOV, L.N., professor, doktor tekhnicheskikh nauk; SAVERIN, M.A., professor, doktor tekhnicheskikh nauk; SAVERIN, N.A., kandidat tekhnicheskikh nauk; SLOBODKIN, M.S., inzhener; SPITSYN, M.A., professor, doktor tekhnicheskikh nauk; STOLBIN, G.B., dotsent, kandidat tekhnicheskikh nauk; UMNOV, V.A., inzhener; CHERNYAK, B.Z., kandidat tekhnicheskikh nauk; SHCHEDROV, V.S., dotsent, kandidat tekhnicheskikh nauk.

[Machine parts; collection of materials on calculation and design in two volumes; vol.1] Detali mashin; sbornik materialov po raschetu i konstruirovaniyu. Izd.2., ispr.i dop. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. i sudostroit. lit-ry, 1953- .  
(MLRA 6:11)

(Machinery--Design)

ACHERKAN, N.S., doktor tekhnicheskikh nauk, professor, redaktor;  
BELYAYEV, V.N., kandidat tekhnicheskikh nauk, dotsent;  
BIDERMAN, V.L., kandidat tekhnicheskikh nauk; BOROVICH, L.S.,  
kandidat tekhnicheskikh nauk; GASHINSKIY, A.G., inzhener;  
GORODETSKIY, I.Ye., doktor tekhnicheskikh nauk, professor;  
IVANOV, B.A., doktor tekhnicheskikh nauk, professor;  
KOLOMIYTSEV, A.A., kandidat tekhnicheskikh nauk, dotsent;  
KRAGEL'SKIY, I.V., doktor tekhnicheskikh nauk, professor;  
MAZYRIN, I.V., inzhener; NIKOLAYEV, G.A., doktor tekhnicheskikh nauk, professor; PETRUSEVICH, A.I., doktor tekhnicheskikh nauk; POZDNYAKOV, S.N., dotsent; PONOMAREV, S.D., doktor tekhnicheskikh nauk, professor; PORTUGALOVA, A.A., kandidat tekhnicheskikh nauk; PRONIN, B.A., kandidat tekhnicheskikh nauk; RESHETOV, D.I., doktor tekhnicheskikh nauk, professor; RESHETOV, L.N., doktor tekhnicheskikh nauk, professor; SAVERIN, M.A., doktor tekhnicheskikh nauk, professor; SAVERIN, M.M., kandidat tekhnicheskikh nauk; SLOBODKIN, M.S., inzhener; SPITSYN, N.A., doktor tekhnicheskikh nauk, professor; STOLBIN, G.B., kandidat tekhnicheskikh nauk, dotsent; UMMOV, V.A., inzhener; CHERNYAK, B.Z., kandidat tekhnicheskikh nauk; SHCHEDROV, V.S., kandidat tekhnicheskikh nauk, dotsent.

[Machine parts; collection of materials on calculation and design in two volumes] Detali mashin; sbornik materialov po raschetu i konstruirovaniyu v dvukh knigakh. Izd.2. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit.i sudostroit.lit-ry. (MIRA 6:12)  
Vol. 2. 1953. 560 p.

(Machinery--Design)

SLOBDKIN, M. S.

SI. Shchepkin, M. S. Slobodkin, and V. V. Aronovich, Armatura zapornaya i reguliruyushchaya [Sealing and Regulating Fittings], Mashriz, 16 sheets.

The booklet describes the design of various types of pipe fittings utilized by enterprises in processing liquids and gases, giving special attention to fixtures which are utilized as control mechanisms in automatic regulation systems, and for remote control of production processes. The booklet also includes some data on calculation of the durability of the fitting and the technology of its production.

The booklet is intended for technical engineering workers connected with the application of pipeline fittings.

SO: U-6472, 12 Nov 1954

AL'SHITS, I.Ya., kandidat tekhnicheskikh nauk; BABKIN, S.I., kandidat tekhnicheskikh nauk; BALAKSHIN, B.S., doktor tekhnicheskikh nauk, professor; BEYSEL'MAN, R.D., inzhener; BELYAYEV, V.H., kandidat tekhnicheskikh nauk; BEREZINA, N.I., inzhener; BIRGER, I.A., doktor tekhnicheskikh nauk; BOGUSLAVSKIY, Yu.M., kandidat tekhnicheskikh nauk; BOHOVICH, L.S., kandidat tekhnicheskikh nauk; GONIKBERG, Yu.M., inzhener; GOHDON, V.O., professor; GORODETSKIY, I. Ye., doktor tekhnicheskikh nauk, professor; GROMAN, M.B., inzhener; DIKER, Ya.I., kandidat tekhnicheskikh nauk; DOSCHATOV, V.V., inzhener; IVANOV, A.G., kandidat tekhnicheskikh nauk; KHNKINASOSHVILI, R.S., doktor tekhnicheskikh nauk, professor; KHUTIKOV, I.P., kandidat tekhnicheskikh nauk; LEVENSON, Ye.M., inzhener; MAZYRIN, I.V. inzhener; MARTYNOV, A.D., kandidat tekhnicheskikh nauk; NIBERG, N.Ya., kandidat tekhnicheskikh nauk; NIKOLAYEV, G.A., doktor tekhnicheskikh nauk, professor; PETRUShevICH, A.I., doktor tekhnicheskikh nauk; POZDEYAKOV, S.N., dotsent; PONOMAREV, S.D., doktor tekhnicheskikh nauk, professor; PRONIN, B.A. kandidat tekhnicheskikh nauk; RESHETOV, D.N., doktor tekhnicheskikh nauk, professor; SATEL', E.A., doktor tekhnicheskikh nauk, professor; SIMAKOV, F.F., kandidat tekhnicheskikh nauk; SLOBODKIN, M.S., inzhener; SPITSYN, N.A., doktor tekhnicheskikh nauk, professor; STOLBIN, G.B., kandidat tekhnicheskikh nauk; TAYTS, B.A., doktor tekhnicheskikh nauk; CHERNYSHEV, H.A., kandidat tekhnicheskikh nauk; SHNEYDEROVICH, R.M., kandidat tekhnicheskikh nauk;

(Continued on next card)

AL'SHITS, I.Ya., kandidat tekhnicheskikh nauk (and others)..... Card 2.

cheskikh nauk, EYDINOV, V.Ya., kandidat tekhnicheskikh nauk; ERLIKH, L.B., kandidat tekhnicheskikh nauk; ACHERKAN, N.S., doktor tekhnicheskikh nauk, professor, redaktor; MARKUS, M.Ye., inzhener, redaktor; KARGANOV, V.G., inzhener, redaktor; SOKOLOVA, T.F., tekhnicheskiy redaktor.

[Mechanical engineer's manual; in 6 volumes] Spravochnik mashino-stroitelia; v shesti tomakh. Izd.2-e, ispr. i dop. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, Vol.4, 1955. 851 p.  
(Mechanical engineering) (MLRA 8:12)

ANDERS, V.R.; FROLQVSKIY, P.A.; REMNEV, V.F.; SLOBODKIN, M.S.

Automatic chromatograph for controlling the composition of  
hydrocarbon gases in the production line. Khim. i tekhn. topl.  
i masel 4 no.3:25-29 Mr '59. (MIRA 12:4)  
(Petroleum--Refining) (Chromatographic analysis) (Automatic control)

11 (5)

AUTHORS: Slobodkin, M. S., Engineer, Sokolin, SOV/119-59-7-5/18  
G. F., Engineer

TITLE: Control Membrane Valves of Low Delivery

PERIODICAL: Priborostroyeniye, 1959, Nr 7, pp 14-16 (USSR)

ABSTRACT: In table 1 the specific capacities C are given for 12 different control membrane valves with different clear opening diameters, which were worked out at the Spetsial'noye konstruktorskoye byuro po avtomatike v neftepererabotke i proizvodstve iskusstvennogo zhidkogo topliva (Special Construction Office for the Automation of Petroleum Refining and the Industry of Artificial Liquid Fuels), and it is stated that diaphragms of low delivery are those in which the specific capacity is lower than 4. Specific capacity is the delivery of an incompressible liquid with the specific weight 1 in cubic meters per hour at a pressure difference of 1 atm before and behind the diaphragm. In recent times, such valves were produced at the Lenneftekip plant, which have a C of from 0.5-1.0. In the above-mentioned construction office valves with the C of 0.1-0.25 were projected, and the problems to be solved in this connection concerning the range of the coefficient C, the clearance, the

Card 1/2

Control Membrane Valves of Low Delivery

SOV/119-59-7-5/18

control of C, etc are discussed. On the basis of figures 1 and 2 the essential components of the valve-types UKS and UKN are discussed and their mode of operation is explained in detail. The construction is characterized by a maximum standardization of the units and single parts of the various types, and three different types are mentioned as examples, which differ solely by the choke system. At present, work is being carried out for the purpose of increasing working temperature, the resistivity to erosion, and working pressure. There are 2 figures, 5 tables, and 1 Soviet reference.

Card 2/2

(S)

SOV/119-59-10-4/19

AUTHORS: Lantsman, M. Kh., Engineer, Slobodkin, M. S., Engineer

TITLE: The Calculation of Pneumatic Compensating ~~Transmitter~~  
for Pressure Difference

PERIODICAL: Priborostroyeniye, 1959, Nr 10, pp 9 - 11 (USSR)

ABSTRACT: In the introduction, such a ~~transmitter~~ is described with the aid of figure 1. The operation voltage of these ~~trans-~~  
~~mitters~~ is equilibrated in the working chamber by a system of lever arms. Part One deals with the kinematic calculation of the system. Equation (1) defines the condition of equilibrium of the system. The mechanical transmission ratio equals the ratio of the lever arms (2). The rigidity of the system is calculated according to formula (3). Part One is concluded with the determination of the accuracy of the transmission ratio of the system (Equation (8)). Part Two deals with the errors of such a ~~transmitter~~, which consist in the systematic nonlinearity of the transmission ratio, the error arising from the frictional force as well as that resulting from temperature changes. The three sources of error are discussed in detail, and the authors give some indications as to their elimina-

Card 1/2

- The Calculation of Pneumatic Compensating ~~1. Transmitter~~ SOV/119-59-10-4/19 for Pressure Difference

tion or reduction. The Final Part is devoted to a discussion of the equilibration of the system. The forces in the system are partly equilibrated by the weight of the movable elements and partly by deformation of the elastic elements. If the elements are too heavy, or the elastic elements are insufficiently rigid, additional counterweights are used. The results obtained here were checked in the design of such ~~trans-~~ mitter in a design office, which has shown good agreement. There is 1 figure.

Card 2/2

SLOBODKIN, M. S. : FROLOV, AI.

Diaphram regulating valves for viscous liquids. Khim. i tekhn. topl. i  
masel 5 no.6:50-53 Je '60. (MIRA 13:7)  
(Valves)  
(Petroleum refineries--Equipment and supplies)

RYABTSEV, N.I., red.; BUKHIN, V.Ye., red.; VIGDORCHIK, D.Ya., red.;  
IVANOV, N.P., red.; KNAPP, K.K., red.; KOZLOV, S.S., red.;  
PROFERANSOV, V.P., red.; SLOBODKIN, M.S., red.; SHAROVATOV,  
L.P., red.; BYKOVA, L.B., ved. red.; KORSUN, Ye.P., red.;  
USHAKOVA, A.F., ved. red.; POLOSINA, A.S., tekhn. red.

[Gas equipment, apparatus, and fittings; reference book] Ga-  
zovoe oborudovanie, pribory i armatura; spravochnoe rukovod-  
stvo. Moskva, Gostoptekhizdat, 1963. 469 p. (MIRA 16:4)  
(Gas, Natural--Pipelines) (Gas appliances)

MIRZABEKOV, G.G., inzh.; SLOBODKIN, M.S., inzh.

Manual duplicators for diaphragm servomechanisms. *Mehn.i avtom. proizv.*  
17 no.2:32-34 F '63. (MIRA 16:2)  
(Servomechanisms)

MIRZABEKOV, G.G., inzh.; SLOBODKIN, M.S., inzh.

Pneumatic diaphragm-type regulating valves without gaskets.  
Mekh. i avtom. proizv. 17 no.12:29-31 D'63. (MIRA 17:2)

ALC NR: AP0021025

SOURCE CODE: UR/0413/66/000/012/0121/0121

INVENTOR: Brushteyn, A. S.; Slobodkin, M. S.; Nisman, L. N.

ORG: None

TITLE: An extremely sensitive flow regulator. Class 47, No. 182991 [announced by the Special Design Office for Automation of Petroleum Processing and Petrochemistry (Spetsial'noye konstruktorskoye byuro po avtomatike v neftepererabotke i neftekhimi)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 12, 1966, 121

TOPIC TAGS: flow regulator, flow control, hydraulic device

ABSTRACT: This Author's Certificate introduces a very sensitive flow regulator consisting of an actuating mechanism and a control unit. Uninterrupted adjustment of the working cycle for the regulating unit plunger during continuous operation of the actuating mechanism rod is achieved by equipping the flow regulator with an adjustment mechanism in the form of a rocker arm sitting on a shaft and connected by a lever to the actuating mechanism rod. The flow control mechanism also contains a section with an annular slot, a regulating screw which moves the section with the slot along the rocker arm, and bushings which move along the annular slot and are rigidly connected to the plunger in the control unit. The relative motion of the

Card 1/2

UDC: 621.646.3

SLOBODKIN, SH., Eng.

Refrigeration and Refrigerating Machinery.

Governor mechanism for automatic regulators, Khol.tekh. 30, no. 1, 1953

Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

ROSTKOVSKIY, B.; KUTUKOV, A., kand.tekhn.nauk; SLOBODKIN, V.<sup>A</sup>, inzh.

Causes for the breakdown of crankshafts of ZD6 engines. Rech.  
transp. 20 no.12:30-31 D '61. (MIRA 14:12)

1. Glavnnyy inzhener Volgo-Donskogo rechnogo parokhodstva (for  
Rostkovskiy).

(Marine engines)  
(Crankshafts)

"APPROVED FOR RELEASE: 08/25/2000

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KUTUKOV, A.A.; SLOBODKIN, V.A.; SKLYAROV, B.S.

Torsional vibrations of the ZD6 engine shaft lines. Trudy NPI  
112:59 '61. (MIRA 14:9)  
(Marine diesel engines)

KUTUKOV, A.A.; SLOBODKIN, V.A.

Effect of the angle of lubricant feed on oil flow through a sliding bearing. Trudy NPI 131:11-15 '62. (MIRA 16:3)  
(Bearings (Machinery)--Lubrication)

SLOBODKIN, V.A.; KUTUKOV, A.A.

Calculating oil flow through a sliding bearing. Trudy NPI 131:87-95  
'62. (MIRA 16.3)

(Bearings (Machinery)---Lubrication)

CHEKANOV, I.S.; VOLKOV, K.D.; SLOBODKIN, V.M.

Arrangement for eliminating sticking of loose materials in  
a hopper. Gor. zhur. no. 5:77 My '64.

(MIRA 17:6)

TULUYEVSKIY, Yu.N.; SLOBODKIN, Ye.M.; AKHMANAYEV, S.I.; KIREYEV, N.K.

Measurement and the dynamic characteristics of the temperature  
of open-hearth furnace roofs. Izv. vys. ucheb. zav.; chern.  
met. 7 no.9:179-185 '64. (MIRA 17:6)

1. Chelyabinskij nauchno-issledovatel'skiy institut metallurgii.

TULUYEVSKIY, Yu.N.; KAVYLIN, V.A.; AKHMANAYEV, S.I.; GONCHAREVSKIY, Ya.A.;  
SLOBODKIN, Ye.M.

Experience in the automatic control of thermal conditions of  
a large-capacity open-hearth furnace. Metallurg 10 no.6;20-22  
Ja '65. (MIRA 18:6)

73-2-12/22

AUTHORS: Litvinenko, L.M., Tsukerman, S.V., Grekov, A.P. and Slobodkina, E.A.

TITLE: Space structure and reactivity. IX:Hindered internal rotation and kinetics of the acylation of 2,2'-dicarboisopropoxylic derivatives of 4-aminobiphenyl and 4-amino-4'-nitrobiphenyl. (Prostranstvennoye stroyeniye i reaktsionnaya sposobnost'. IX: Zatormozhennoye vnutrenneye vrashcheniye i kinetika atsilirovaniya 2,2'-dikarboisopropoksil'nykh proizvodnykh 4-aminobifenila i 4-amino-4'-nitrobifenila).

PERIODICAL: "Ukrainskiy Khimicheskiy Zhurnal" (Ukrainian Journal of Chemistry), Vol.23, No.2, March-April, 1957, pp.223-227 (USSR).

ABSTRACT: In an earlier communication it was shown that the interaction between the  $\text{NO}_2$  and the  $\text{NH}_2$  groups is considerably weakened in the second molecule by introducing the 2,2'-position of the carbomethoxyl groups (1). Further investigations have now been carried out to obtain data for determining the kinetics of the acylation reaction of amino-derivatives in a benzene solution, especially of dicarboisopropoxylic derivatives. The 4-amino-4'-nitro-2,2'-dicarboisopropoxylbiphenyl and 4-amino-2,2'-dicarboiso-

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73-2-12/22

Space structure and reactivity. IX: Hindered internal rotation and kinetics of the acylation of 2,2'-dicarboisopropoxylic derivatives of 4-aminobiphenyl and 4-amino-4'-nitrobiphenyl. (Cont.)

carboisopropoxylic derivatives are closely related to their carbomethoxy-homologues for reasons of their kinetic characteristics and also the effects of the 2,2'-substituents.

There are 4 tables and 7 references, 6 of which are Slavic.

ASSOCIATION: Kharkov State University imeni A.M.Gor'ki,  
Chair of Organic Chemistry (Khar'kovskiy Gosudarstvennyy  
Universitet imeni A.M.Gor'kogo, Kafedra Organicheskoy  
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SUBMITTED: October 1, 1956.

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✓The effect of sodium bisulfite on the processes of glycolysis in tissues in vitro. K. V. Slobodkina. *Trudy Chkalov. Med. Inst.* 1955, No. 4, 33-8; *Referat. Zhur. Khim., Biol. Khim.* 1957, No. 5161.—A study was made of the effect of  $\text{NaHSO}_3$  (I) on the intensity of glycolysis in different tissues of adult rabbits and white rats. After the decapitation of the animal the tissue under investigation was ground and the rate of glycolysis was detd. manometrically by the Warburg method in Ringer-bicarbonate soln. at pH 7.4. The glycolysis was impeded by 25.4% by I in the brain matter during the 1st hr., during the 2nd hr. by 31.46%, and in the cortical part of the kidneys by 18.8 and 23.5%, resp. In the other tissues I appeared to have no effect on glycolysis. R. S. Levine

## USSR/Pharmacology. Toxicology.

v

Abs Jour: Ref. Zhur. - Biol., No 22, 1958, 103008

Author : Slobodkina, K. V.

Inst : -

Title : Tissue Respiration of Various Organs in  
Intoxication with Sulfur Dioxide.

Orig Pub: Tr. Chkalovsk. med. in-ta, 1956, vyp. 5, 237-246

Abstract: The consumption of  $O_2$  by homogenates of the organs of rats, which were preliminarily subjected to intoxication with  $SO_2$ , acute (under concentration of 1.8-2 mg/lg in the course of 1 hour) or chronic (under concentration of 0.8-0.9 mg/l for 2 hours daily for the duration of 2-3 weeks), was studied. It was found that  $QO_2$  of the brain pulp of rats in both types of intoxication, compared with the control, is lowered on the average by 11% in the

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## USSR/Pharmacology. Toxicology.

v

Abs Jour: Ref. Zhur. - Biol., No 22, 1958, 103008

and in the chronic there was obtained even a certain increase of  $QO_2$ , which may be regarded as being connected with the decrease of blood saturation of this organ observed under chronic intoxication. - B. A. Katsnel'son

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3. Kalininskiy kombinat (for Slobodkina, Yunitskiy).  
(Textile fibers, Synthetic)